

Title (en)

Shielding gases for arc welding

Title (de)

Schutzgase für Lichtbogenschweißen

Title (fr)

Enveloppes de gaz pour le soudage à l'arc

Publication

EP 0584000 B1 19970827 (EN)

Application

EP 93401941 A 19930727

Priority

CA 2076201 A 19920814

Abstract (en)

[origin: EP0584000A1] A shielding gas for flux cored arc welding. The specific gas combination is intended to promote significantly lower fume emission levels while providing equivalent or better welding performance.

IPC 1-7

B23K 35/38; **B23K 9/173**

IPC 8 full level

B23K 9/16 (2006.01); **B23K 9/173** (2006.01); **B23K 35/38** (2006.01)

CPC (source: EP KR US)

B23K 9/00 (2013.01 - KR); **B23K 9/173** (2013.01 - EP US); **B23K 35/383** (2013.01 - EP US)

Cited by

FR2786719A1; EP1491278A3; US6274838B1; US7161109B2; WO9929466A1; US7244904B2; US7718914B2

Designated contracting state (EPC)

BE CH DE DK ES FR IT LI NL PT SE

DOCDB simple family (publication)

EP 0584000 A1 19940223; **EP 0584000 B1 19970827**; **EP 0584000 B2 20031105**; AU 4456893 A 19940217; AU 669542 B2 19960613; BR 9303381 A 19940315; CA 2076201 A1 19940215; CA 2076201 C 20000516; DE 69313385 D1 19971002; DE 69313385 T2 19980402; DE 69313385 T3 20040624; DK 0584000 T3 19970929; ES 2108243 T3 19971216; JP H06210452 A 19940802; KR 100221790 B1 19990915; KR 940003652 A 19940312; TW 217391 B 19931211; US 5313039 A 19940517; ZA 935937 B 19940307

DOCDB simple family (application)

EP 93401941 A 19930727; AU 4456893 A 19930811; BR 9303381 A 19930813; CA 2076201 A 19920814; DE 69313385 T 19930727; DK 93401941 T 19930727; ES 93401941 T 19930727; JP 19947993 A 19930811; KR 930015568 A 19930811; TW 82105846 A 19930722; US 10130093 A 19930803; ZA 935937 A 19930813